

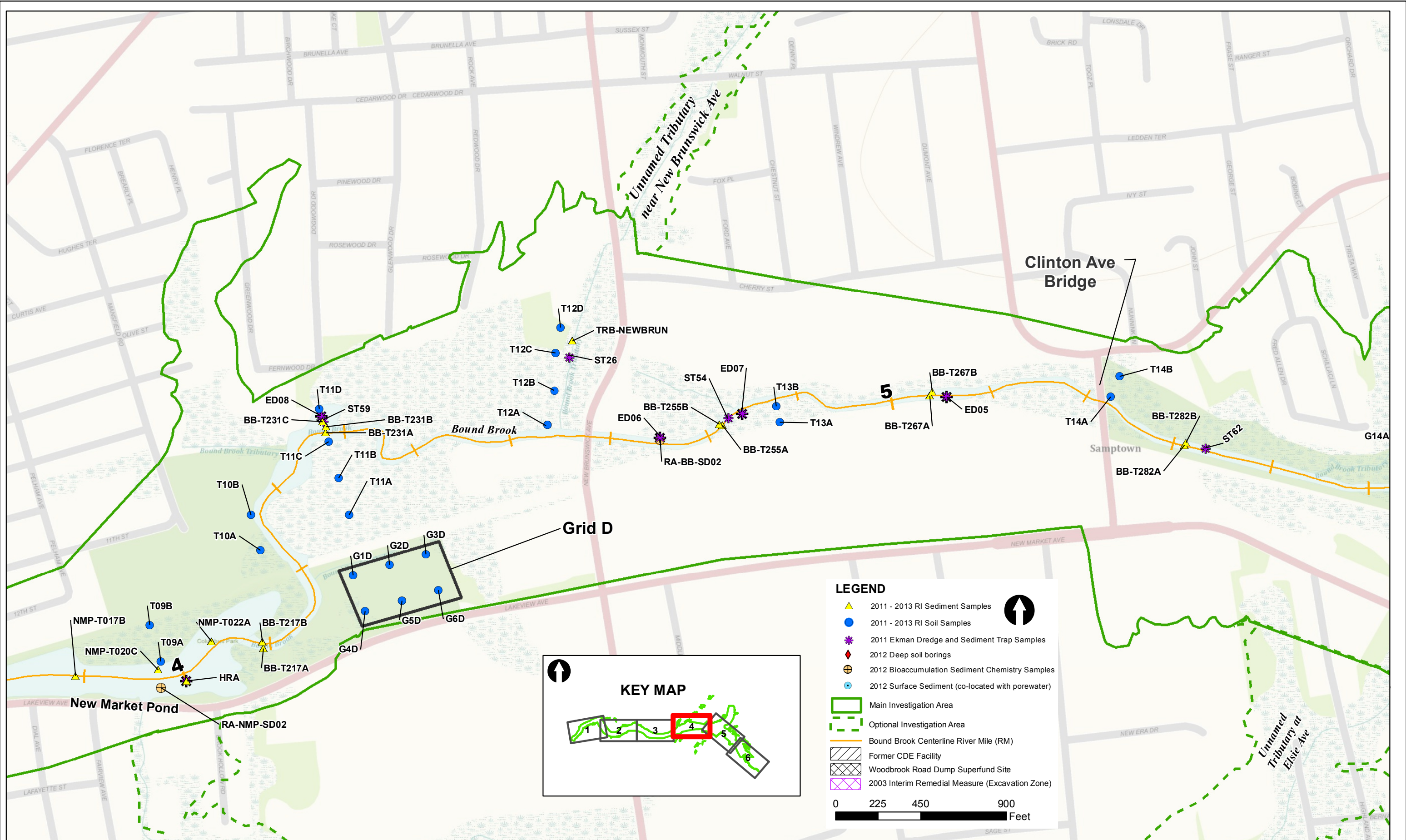
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Superfund Site
Plainfield, New Jersey

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2011-2013 RI Sediment and Soil Sampling Location Identification
Bound Brook OU4 RI/FS

2013
Figure 3-1
Sheet 2 of 6



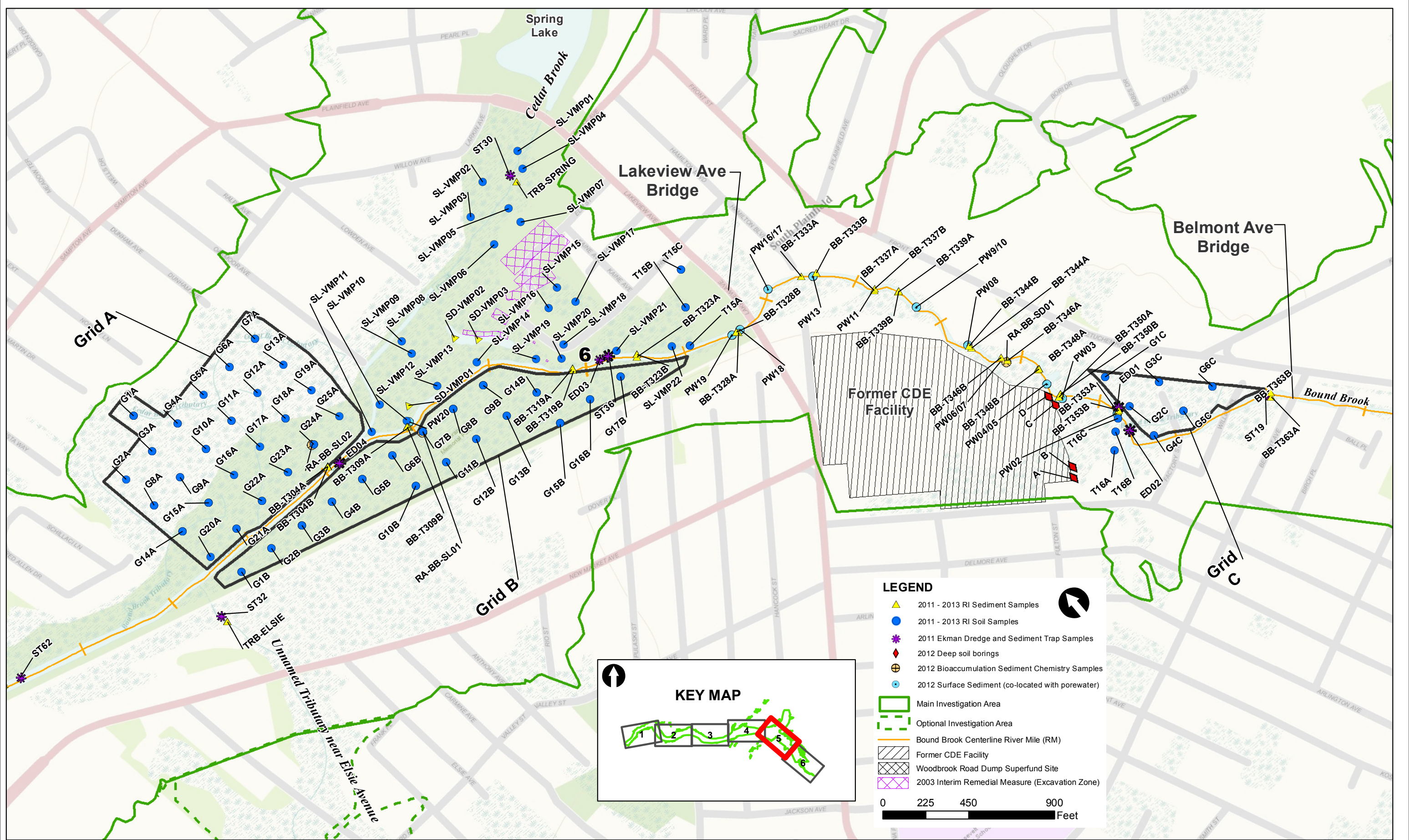
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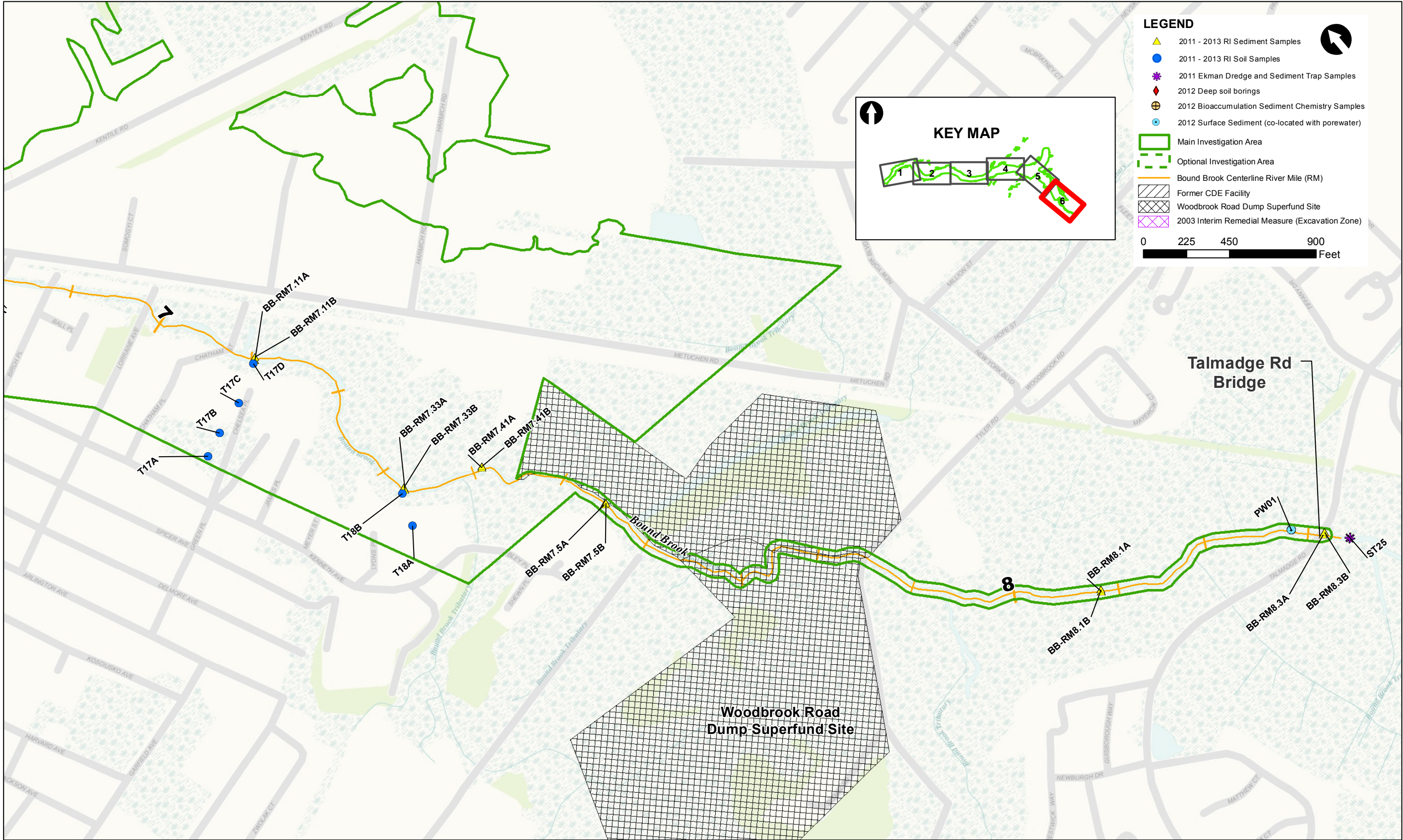
Cornell Supplier Electronics
Superfund Site
Plainfield, New Jersey

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2011-2013 RI Sediment and Soil Sampling Location Identification
Bound Brook OU4 RI/FS

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Figure 3-1
Sheet 4 of 6



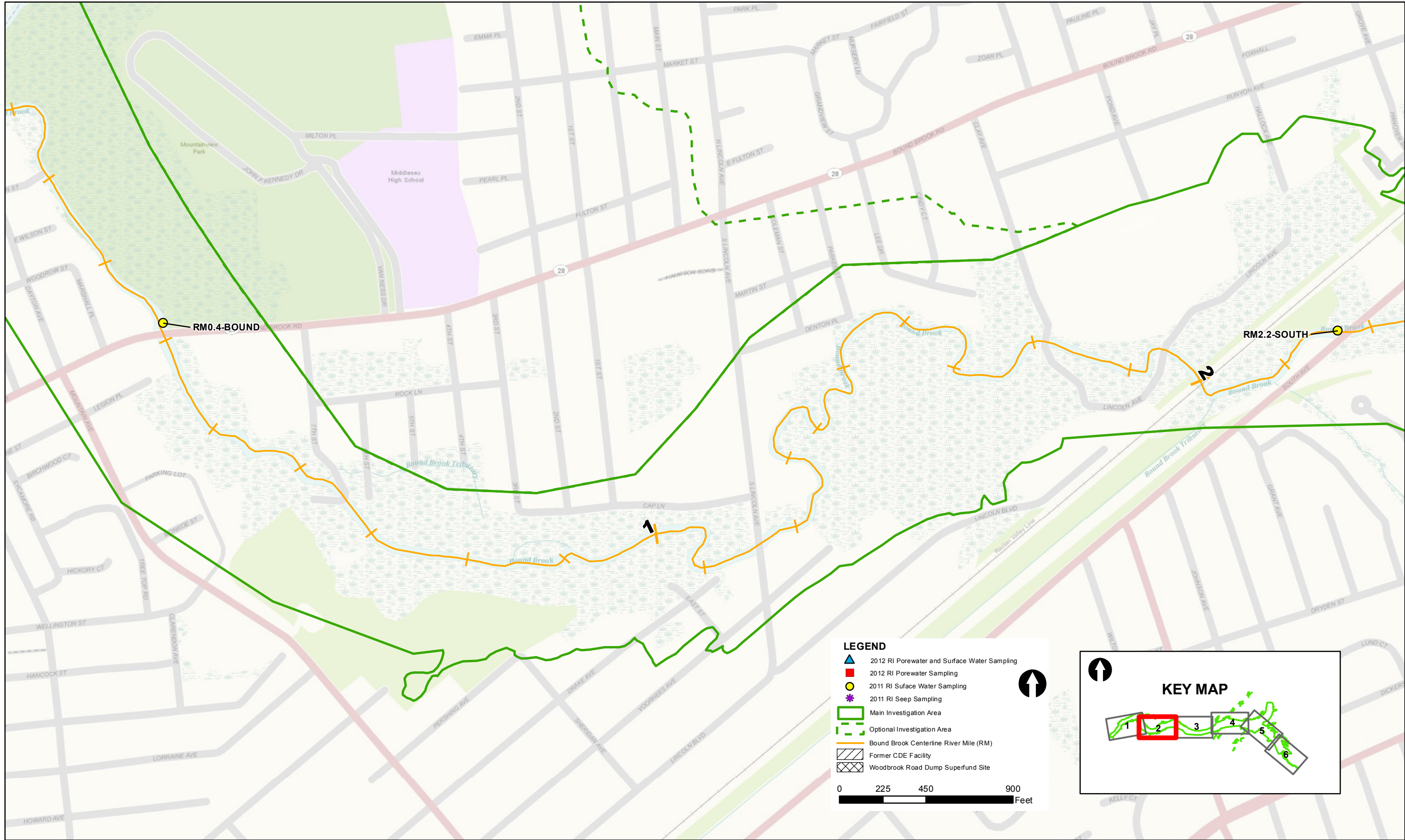


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2011-2013 RI Sediment and Soil Sampling Location Identification
Bound Brook OU4 RI/FS

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Figure 3-1
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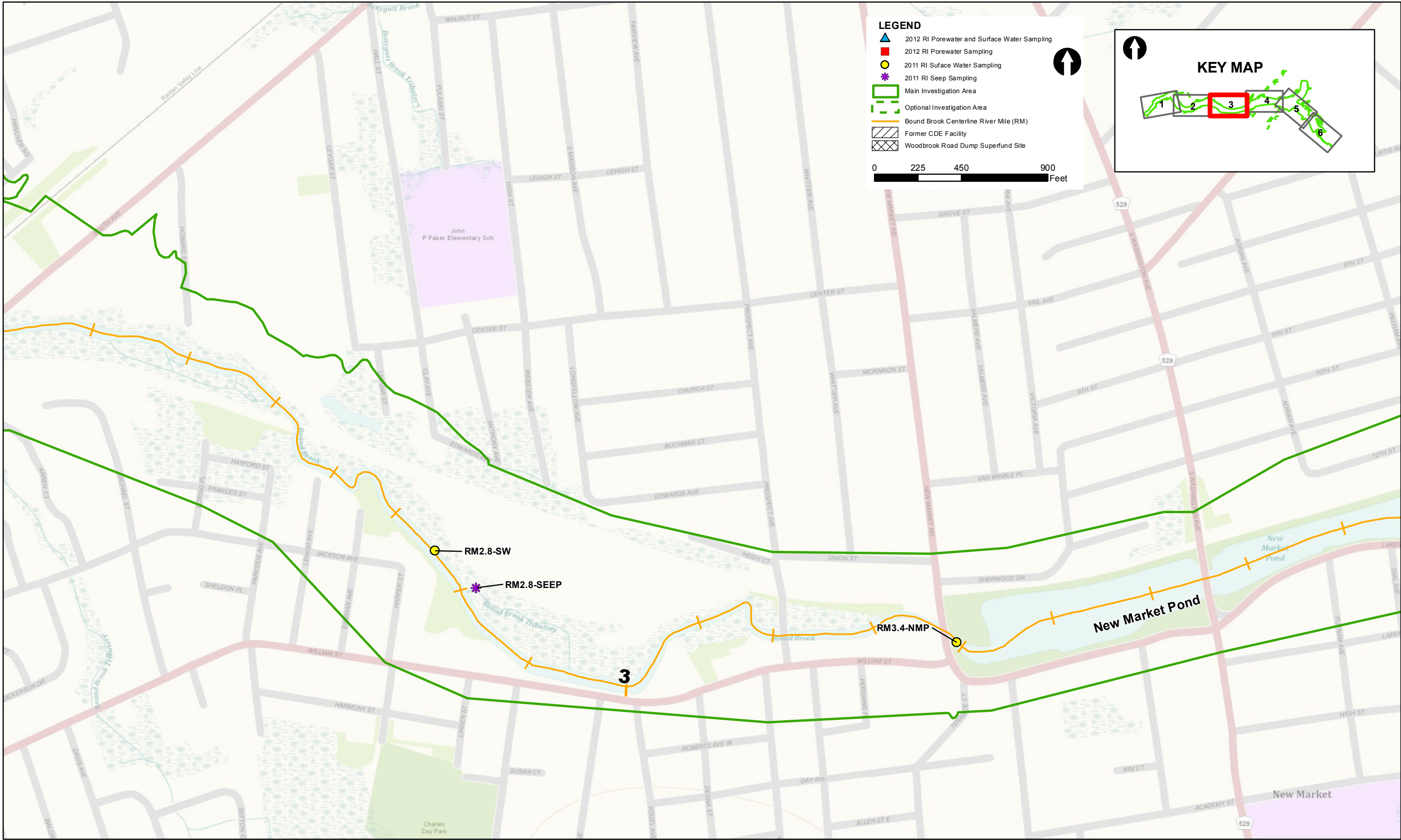
Cornell Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

2013 RI Surface Water and Porewater Sampling Location Identification

Bound Brook OU4 RI/FS

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Figure 3-2
Sheet 2 of 6



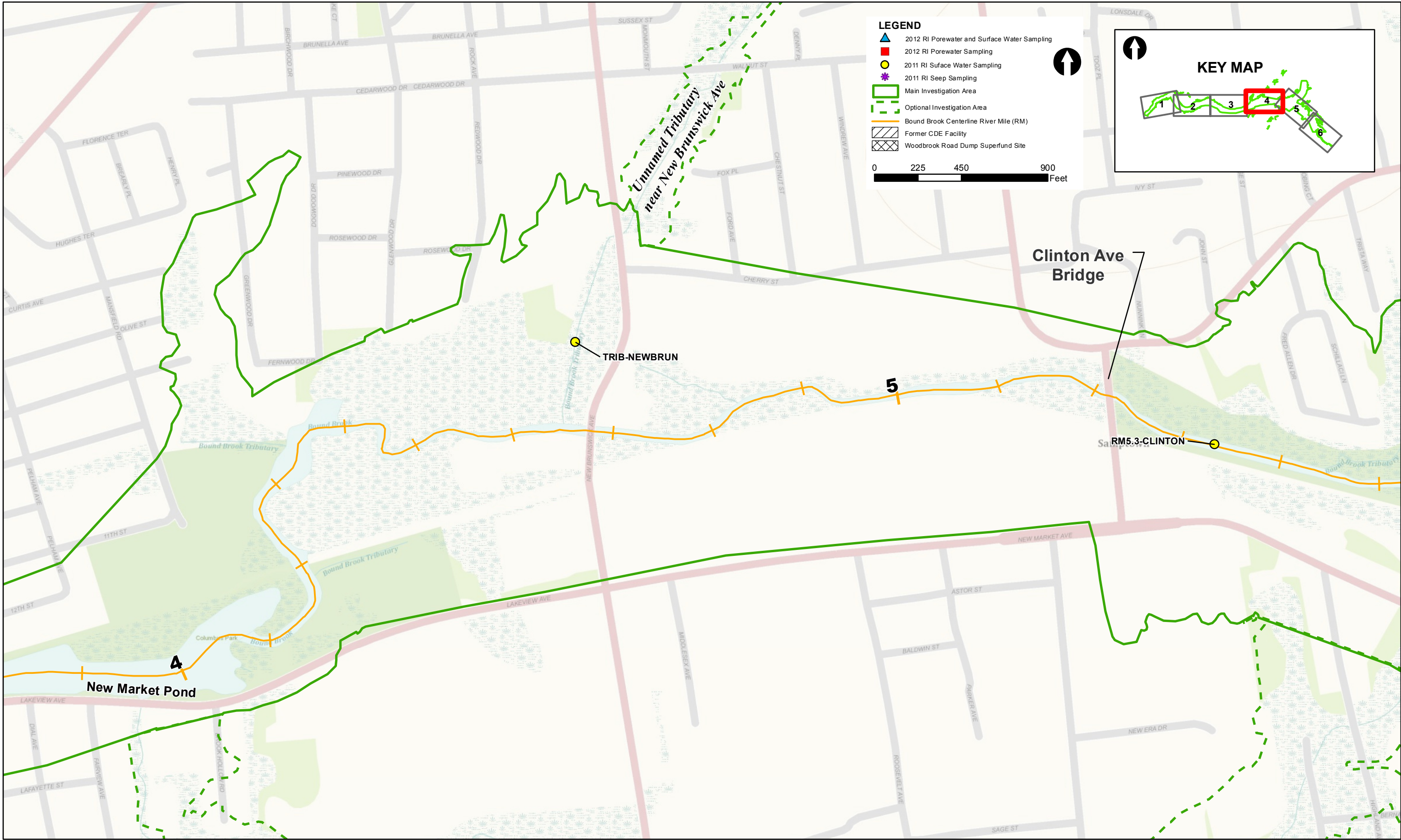
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2011-2013 RI Surface Water and Porewater Sampling Location Identification

Bound Brook OU4 RI/FS

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Figure 3-2
Sheet 3 of 6



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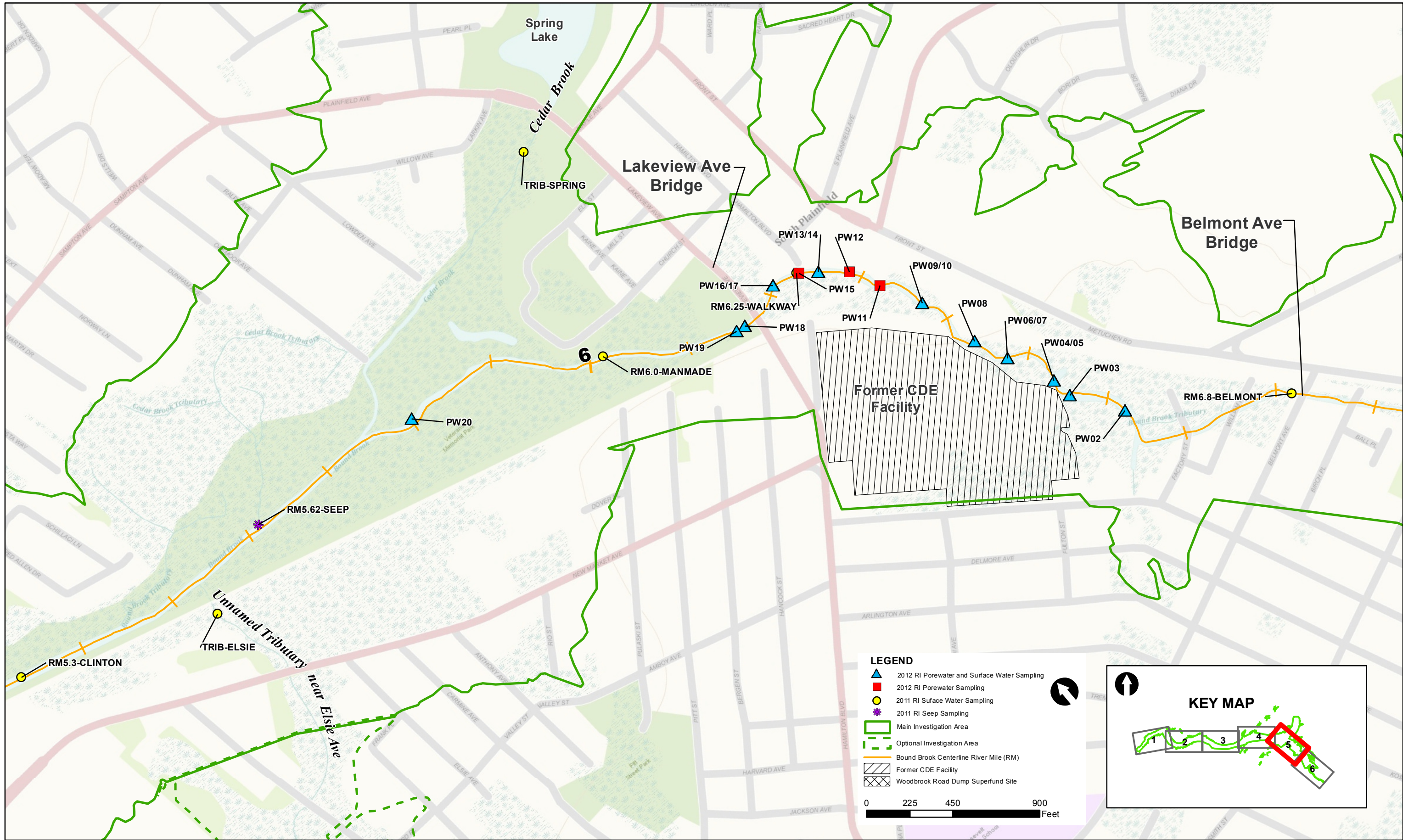
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2011-2013 RI Surface Water and Porewater Sampling Location Identification

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Figure 3-2
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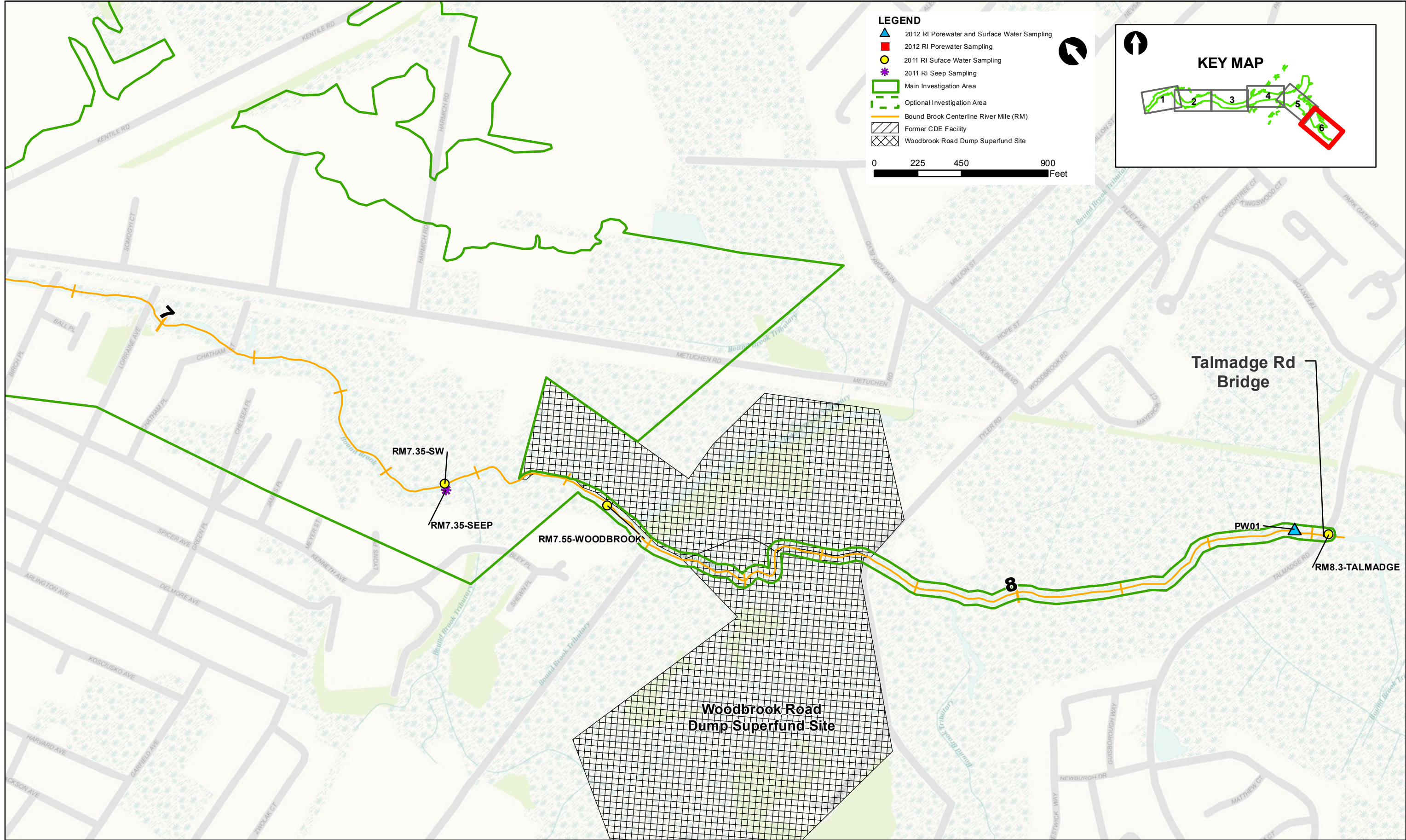
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2011-2013 RI Surface Water and Porewater Sampling Location Identification

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Figure 3-2
Sheet 5 of 6



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Figure 3-2
Sheet 6 of 6



Photograph Description: Field crew measuring distance to sediment probing transect T66.



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Field Photographs: Sediment Probing

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FIGURE 3-3a



Photograph Description: Field crew probing sediment and recording notes at transect T31.



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Field Photographs: Sediment Probing

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FIGURE 3-3b



Photograph Description: Confirmatory sediment core collected by piston core method at sediment probing transect T313.



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Field Photographs: Sediment Probing

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FIGURE 3-3c



Photograph Description: Classification of confirmatory sediment core collected at sediment probing transect T56.



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Field Photographs: Sediment Probing

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FIGURE 3-3d



Photograph Description: Set-up of Real-Time Kinematic Differential Global Positioning System (RTK-DGPS) equipment for bathymetric and side scan sonar surveys of New Market Pond.



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**Field Photographs: Bathymetric Survey and
Side Scan Sonar in New Market Pond**
Bound Brook OU4 RI/FS

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FIGURE 3-4a



Photograph Description: Set-up of Real-Time Kinematic Differential Global Positioning System (RTK-DGPS) equipment for bathymetric and side scan sonar surveys of New Market Pond.



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**Field Photographs: Bathymetric Survey and
Side Scan Sonar in New Market Pond**
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FIGURE 3-4b



Photograph Description: Innerspace Technologies Model 455 fathometer in use during bathymetric survey.



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**Field Photographs: Bathymetric Survey and
Side Scan Sonar in New Market Pond**
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FIGURE 3-4c



Photograph Description: Side scan sonar confirmatory surface sediment sample (0-15 cm) collected with petite ponar dredge.

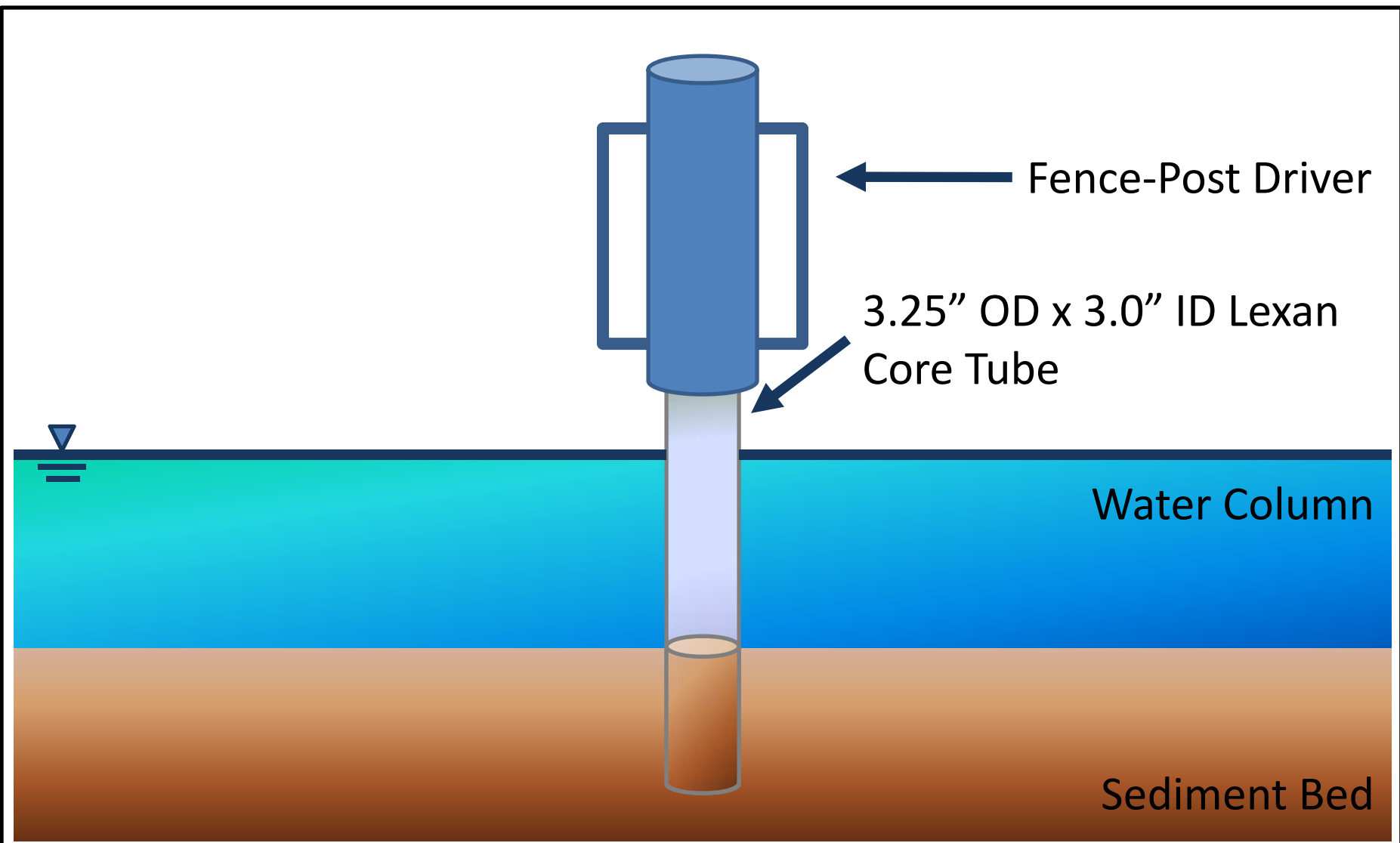


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**Field Photographs: Bathymetric Survey and
Side Scan Sonar in New Market Pond**
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FIGURE 3-4d



Photograph Description: Schematic of core collection using a fence-post driver and lexan tubing.



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**Field Photographs: Low Resolution and
Geotechnical Sediment Cores**
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FIGURE 3-5a



Photograph Description: Collection of low resolution sediment core.



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**Field Photographs: Low Resolution and
Geotechnical Sediment Cores**
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FIGURE 3-5b



Photograph Description: Low resolution sediment core after extraction.



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**Field Photographs: Low Resolution and
Geotechnical Sediment Cores**
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FIGURE 3-5c



Photograph Description: Co-located low resolution sediment core and geotechnical core.



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**Field Photographs: Low Resolution and
Geotechnical Sediment Cores**
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FIGURE 3-5d



Photograph Description: Collection of low resolution sediment core in New Market Pond by vibracoring.



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**Field Photographs: Low Resolution and
Geotechnical Sediment Cores**
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FIGURE 3-5e



Photograph Description: Low resolution core cutting jig.



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**Field Photographs: Low Resolution and
Geotechnical Sediment Cores**
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FIGURE 3-5f



Photograph Description: Low resolution core T22A after cutting.



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**Field Photographs: Low Resolution and
Geotechnical Sediment Cores**
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FIGURE 3-5g



Photograph Description: Hollow stem auger drill rig preparing for sampling at deep soil boring location B.



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Field Photographs: Deep Soil Borings

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FIGURE 3-6a



Photograph Description: Drillers advancing hollow stem auger at deep soil boring location B.



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Field Photographs: Deep Soil Borings

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FIGURE 3-6b



Photograph Description: Left: Field crew preparing soil auger for collection of surface soil sample (0-6 in) at location SL-VMP06.
Right: Soil auger in sample hole at location SL-VMP13.



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**Field Photographs: Soil Auger (Veterans
Memorial Park)**
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FIGURE 3-7a



Photograph Description: Soil auger head at location SL-VMP18 (behind home plate of Veterans Memorial Park baseball field).



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**Field Photographs: Soil Auger (Veterans
Memorial Park)**
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FIGURE 3-7b



Photograph Description: Surface soil sample (0-6 in) collected by soil auger at location SL-VMP12.



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**Field Photographs: Soil Auger (Veterans
Memorial Park)**
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FIGURE 3-7c



Photograph Description: Surface sediment sample (0-15 cm) collected by Ekman dredge at location ED10.



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Field Photographs: Ekman Dredge

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FIGURE 3-8a



Photograph Description: Surface sediment sample (0-15 cm) collected by Ekman dredge at location ED12.



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Field Photographs: Ekman Dredge

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FIGURE 3-8b



Photograph Description: Field crew processing surface sediment sample (0-15 cm) collected at location ED02. Spatula is being used to collect 0-2 cm interval for analysis.



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Field Photographs: Ekman Dredge

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FIGURE 3-8c



Photograph Description: Sediment trap collected at Shepherd Avenue Bridge (location ST39).



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Field Photographs: Sediment Traps

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FIGURE 3-9a



Photograph Description: Fine grained material in sediment trap collected at Talmadge Road Bridge (location ST25).



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Field Photographs: Sediment Traps

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FIGURE 3-9b



Photograph Description: Extrusion of high resolution sediment core top.

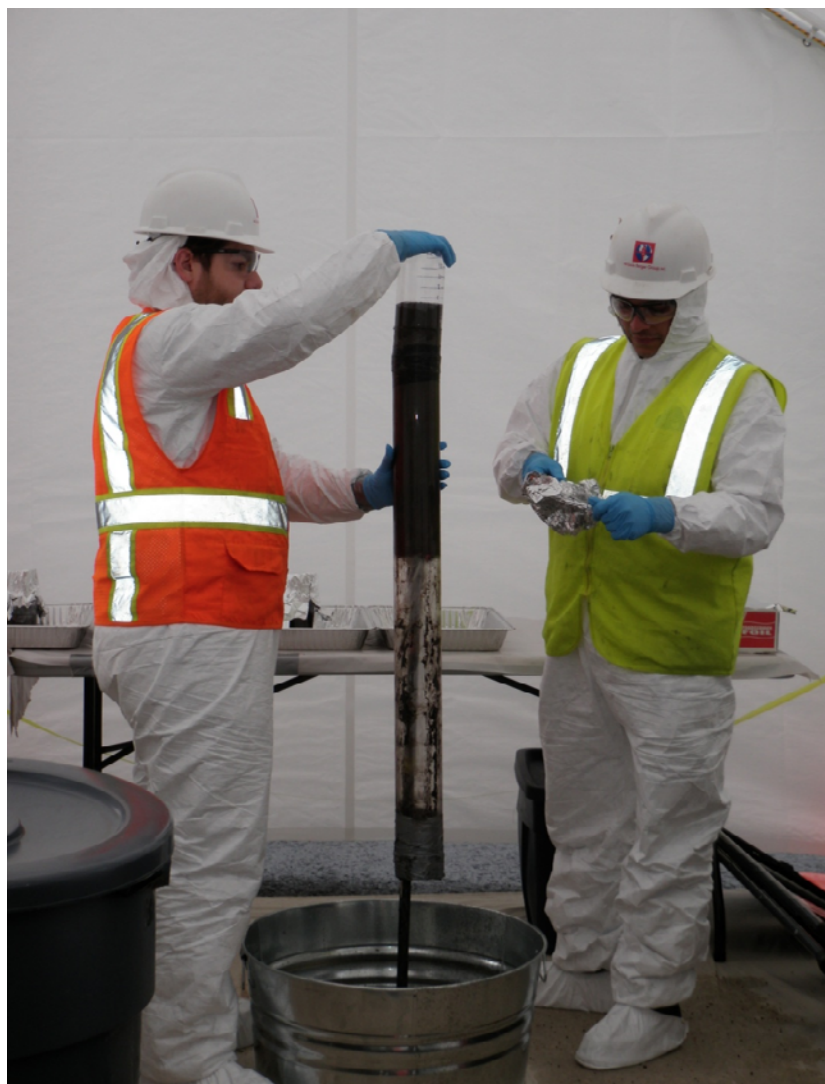


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**Field Photographs: High Resolution Sediment
Core**
Bound Brook OU4 RI/FS

2013

FIGURE 3-10a



Photograph Description: Extrusion of high resolution sediment core.

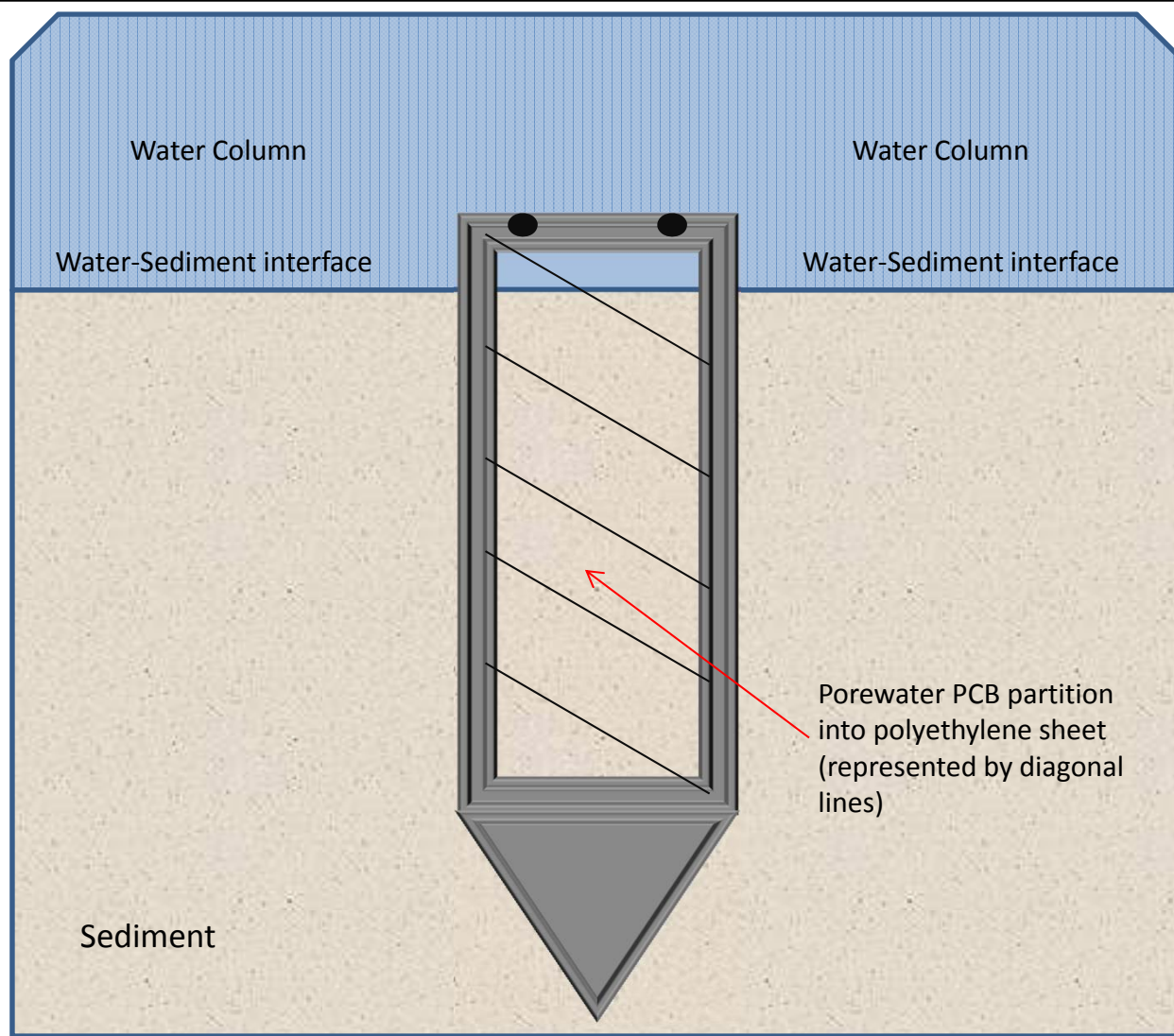


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**Field Photographs: High Resolution Sediment
Core**
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FIGURE 3-10b



Photograph Description: Schematic of PCB polyethylene passive sampler.



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**Field Photographs: PCB *In-Situ* Passive
Sampling**
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FIGURE 3-11a



Photograph Description: PCB polyethylene passive sampler in laboratory.



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**Field Photographs: PCB *In-Situ* Passive
Sampling**
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FIGURE 3-11b



Photograph Description: PCB polyethylene passive sampler in laboratory.

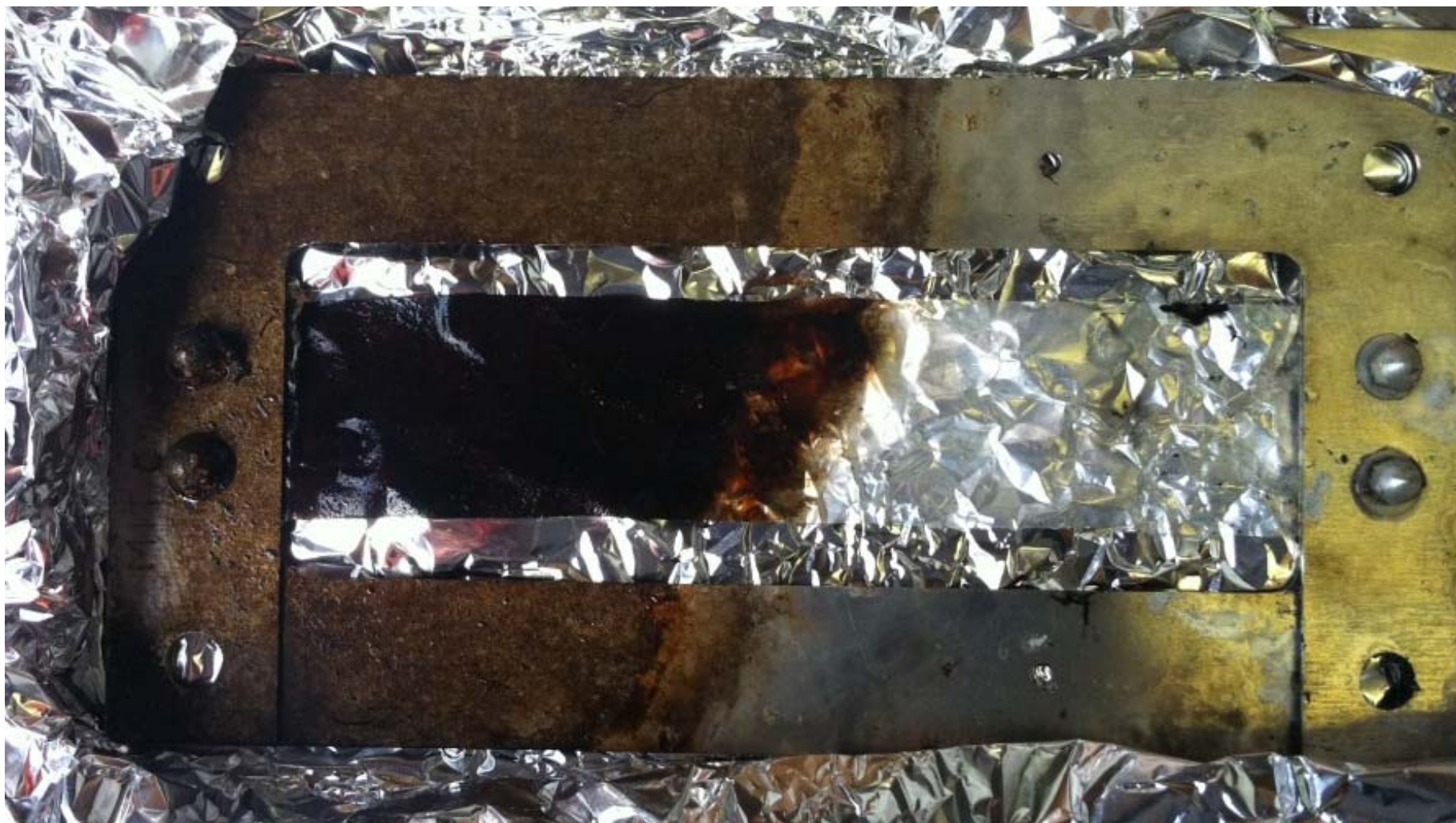


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**Field Photographs: PCB *In-Situ* Passive
Sampling**
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FIGURE 3-11c



Photograph Description: PCB polyethylene passive sampler (short frame version) after retrieval from location PW10.



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**Field Photographs: PCB *In-Situ* Passive
Sampling**
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FIGURE 3-11d



Photograph credit: EON Products, Inc.

Photograph Description: Top: Slotted PVC canister with Passive Diffusion Bag (PDB) sampler inside and canister lid open.
Bottom: Slotted PVC canister with PDB sampler inside and canister lid closed.



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**Field Photographs: VOC *In-Situ* Passive
Sampling**
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FIGURE 3-12a



Photograph credit: EON Products, Inc.

Photograph Description: Left: PDB sampler and discharge tube used for filling VOC sample vial.
Right: Collecting VOC sample from PDB sampler by discharge tube.



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**Field Photographs: VOC *In-Situ* Passive
Sampling**
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FIGURE 3-12b